

Maths Weekly Homework Week 8 Term 2

Quickie questions



Do these **verbally** with someone. You are expected to answer in 3 *seconds*. **Circle** the tricky facts. **Practice** these until you can answer them in the time. Then fill in your **answer** in the spaces. **Mark** with a calculator.

Quickie questions: Add/sub facts _____

$15 + 28 =$	$28 - 17 =$	$23 - 11 =$	$11 - 9 =$	$30 - 8 =$	$42 - 36 =$
$41 - 25 =$	$5 + 38 =$	$16 - 8 =$	$7 + 18 =$	$48 - 26 =$	$32 - 16 =$
$32 + 48 =$	$8 + 4 =$	$22 - 6 =$	$19 + 8 =$	$8 + 7 =$	$19 - 11 =$
$20 - 12 =$	$13 - 4 =$	$11 - 8 =$	$16 - 7 =$	$10 - 5 =$	$20 - 17 =$

In your own time questions



Discuss your answers with an adult at home.

Rounding numbers to the nearest 1,000 _____

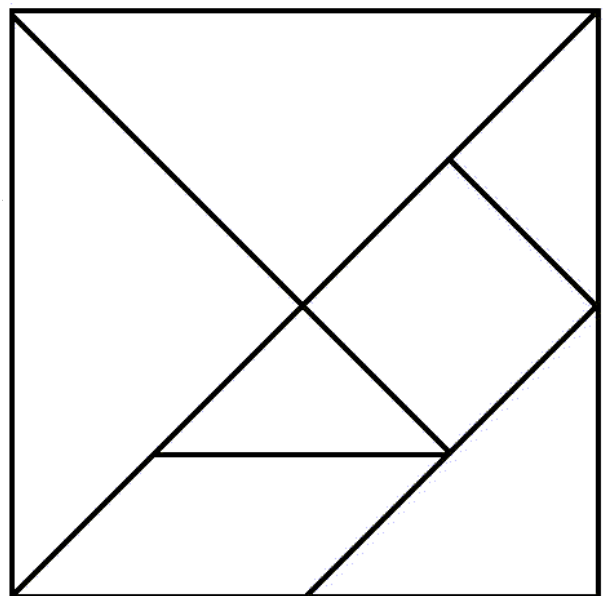
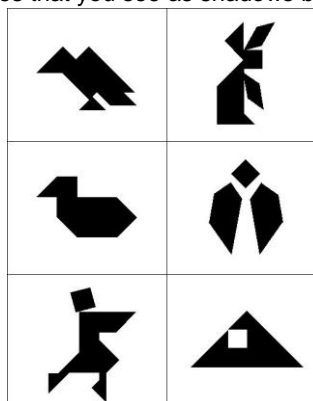
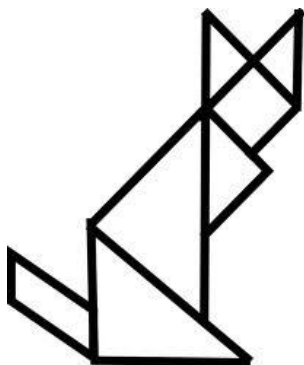
E.g. $5,340 = \underline{5,000}$	$1,800 = \underline{\hspace{2cm}}$	$6,265 = \underline{\hspace{2cm}}$	$1,700 = \underline{\hspace{2cm}}$	$3,942 = \underline{\hspace{2cm}}$
$2,080 = \underline{\hspace{2cm}}$	$7,120 = \underline{\hspace{2cm}}$	$6,340 = \underline{\hspace{2cm}}$	$7,010 = \underline{\hspace{2cm}}$	$1,920 = \underline{\hspace{2cm}}$
$4,170 = \underline{\hspace{2cm}}$	$9,050 = \underline{\hspace{2cm}}$	$4,580 = \underline{\hspace{2cm}}$	$8,620 = \underline{\hspace{2cm}}$	$8,510 = \underline{\hspace{2cm}}$
$1,322 = \underline{\hspace{2cm}}$	$5,273 = \underline{\hspace{2cm}}$	$6,109 = \underline{\hspace{2cm}}$	$1,701 = \underline{\hspace{2cm}}$	$1,420 = \underline{\hspace{2cm}}$

1 more or less than a number _____

1 less than 40 is _____	1 more than 59 is _____	1 less than 400 is _____
1 less than 300 is _____	1 more than 699 is _____	1 less than 9,100 is _____
1 less than 4,100 is _____	1 more than 2,909 is _____	1 less than 2,100 is _____
1 less than 99,090 is _____	1 more than 19,999 is _____	1 less than 11,000 is _____

Tangrams

1. A tangram is a jigsaw-style puzzle invented in China
2. The object of the game is to cut out the shapes (from this sheet) and arrange them to make the pictures that you see as shadows below. An example has been done for you:



DUE THURSDAY WEEK 9

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Maths Weekly Homework Week 7 Term 2

Quickie questions



Do these **verbally** with someone. You are expected to answer in 3 seconds. **Circle** the tricky facts. **Practice** these until you can answer them in the time. Then fill in your **answer** in the spaces. **Mark** with a calculator.

Quickie questions: Add/sub facts

$15 + 28 =$	$28 - 27 =$	$25 - 11 =$	$11 - 9 =$	$30 - 8 =$	$42 - 36 =$
$51 - 28 =$	$5 + 38 =$	$16 - 8 =$	$19 + 18 =$	$48 - 19 =$	$32 - 16 =$
$32 + 48 =$	$8 + 4 =$	$22 - 6 =$	$19 + 8 =$	$8 + 7 =$	$19 - 11 =$
$20 - 12 =$	$13 - 8 =$	$11 - 4 =$	$16 - 7 =$	$10 - 5 =$	$20 - 17 =$

In your own time questions



Discuss your answers with an adult at home.

Rounding numbers to the nearest 1,000

E.g. $5,340 = \underline{5,000}$	$1,800 = \underline{\hspace{2cm}}$	$6,300 = \underline{\hspace{2cm}}$	$3,900 = \underline{\hspace{2cm}}$	$2,930 = \underline{\hspace{2cm}}$
$2,080 = \underline{\hspace{2cm}}$	$7,120 = \underline{\hspace{2cm}}$	$6,090 = \underline{\hspace{2cm}}$	$7,010 = \underline{\hspace{2cm}}$	$1,920 = \underline{\hspace{2cm}}$
$6,710 = \underline{\hspace{2cm}}$	$9,050 = \underline{\hspace{2cm}}$	$4,580 = \underline{\hspace{2cm}}$	$8,620 = \underline{\hspace{2cm}}$	$8,510 = \underline{\hspace{2cm}}$
$1,322 = \underline{\hspace{2cm}}$	$5,273 = \underline{\hspace{2cm}}$	$8,404 = \underline{\hspace{2cm}}$	$1,701 = \underline{\hspace{2cm}}$	$1,655 = \underline{\hspace{2cm}}$

1 more or less than a number

1 less than 60 is $\underline{\hspace{2cm}}$	1 more than 39 is $\underline{\hspace{2cm}}$	1 less than 400 is $\underline{\hspace{2cm}}$
1 less than 700 is $\underline{\hspace{2cm}}$	1 more than 599 is $\underline{\hspace{2cm}}$	1 less than 3,100 is $\underline{\hspace{2cm}}$
1 less than 8,010 is $\underline{\hspace{2cm}}$	1 more than 2,999 is $\underline{\hspace{2cm}}$	1 less than 5,100 is $\underline{\hspace{2cm}}$
1 less than 99,100 is $\underline{\hspace{2cm}}$	1 more than 19,999 is $\underline{\hspace{2cm}}$	1 less than 10,000 is $\underline{\hspace{2cm}}$

Kenken #2!

- You need to fill in the grid using the numbers 1-4.
- The heavily-outlined groups of squares in each grid are called "cages." In the upper-left corner of each cage, there is a "target number". The numbers in a cage must add up to the target number.
Example: Your target number is 5, you're using the numbers 1-4, and the cage is made up of two squares. You could fill in 2 and 3 (because $2 + 3 = 5$) or 1 and 4 ($1 + 4 = 5$). But which number goes in which square? Read the next instruction!
- Important: You may not repeat a number in any row or column. You can repeat a number within a cage, as long as those repeated numbers are not in the same row or column.

3+	4	5+	
	8+		
10+		7+	
	3+		

DUE THURSDAY WEEK 8

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Maths Weekly Homework Week 5 Term 2

Quickie questions



Do these **verbally** with someone. You are expected to answer in 3 *seconds*. **Circle** the tricky facts. **Practice** these until you can answer them in the time. Then fill in your **answer** in the spaces. **Mark** with a calculator.

Quickie questions: Add/sub facts to 20

$12 + 3 =$	$4 + 11 =$	$15 + 3 =$	$11 + 8 =$	$3 + 16 =$	$4 + 13 =$
$15 + 2 =$	$7 + 6 =$	$1 + 17 =$	$8 + 9 =$	$19 - 3 =$	$14 - 1 =$
$17 - 9 =$	$14 - 8 =$	$18 - 6 =$	$20 - 11 =$	$17 - 9 =$	$12 - 7 =$
$20 - 12 =$	$13 - 8 =$	$11 - 4 =$	$16 - 7 =$	$10 - 5 =$	$20 - 17 =$

In your own time questions



Discuss your answers with an adult at home.

Rounding numbers to the nearest 10

E.g. $534 = \underline{530}$	$18 = \underline{\quad}$	$63 = \underline{\quad}$	$39 = \underline{\quad}$	$293 = \underline{\quad}$
$208 = \underline{\quad}$	$712 = \underline{\quad}$	$609 = \underline{\quad}$	$701 = \underline{\quad}$	$192 = \underline{\quad}$
$671 = \underline{\quad}$	$905 = \underline{\quad}$	$458 = \underline{\quad}$	$862 = \underline{\quad}$	$851 = \underline{\quad}$
$1,322 = \underline{\quad}$	$5,273 = \underline{\quad}$	$8,404 = \underline{\quad}$	$1,701 = \underline{\quad}$	$1,655 = \underline{\quad}$

1 more or less than a number

1 more than 59 is $\underline{\quad}$	1 less than 40 is $\underline{\quad}$	1 more than 399 is $\underline{\quad}$
1 more than 698 is $\underline{\quad}$	1 less than 600 is $\underline{\quad}$	1 more than 3,099 is $\underline{\quad}$
1 more than 8,009 is $\underline{\quad}$	1 less than 3,000 is $\underline{\quad}$	1 more than 499 is $\underline{\quad}$
1 more than 99,099 is $\underline{\quad}$	1 less than 20,000 is $\underline{\quad}$	1 more than 9,999 is $\underline{\quad}$

Kenken

- You need to fill in the grid using the numbers 1-4.
- The heavily-outlined groups of squares in each grid are called "cages." In the upper-left corner of each cage, there is a "target number". Fill in each square of a cage with a number. The numbers in a cage must add up to the target number.
Example: Your target number is 5, you're using the numbers 1-4, and the cage is made up of two squares. You could fill in 2 and 3 (because $2 + 3 = 5$) or 1 and 4 ($1 + 4 = 5$). But which number goes in which square? Read the next instruction!
- Important: You may not repeat a number in any row or column. You can repeat a number within a cage, as long as those repeated numbers are not in the same row or column.

3+	5+		7+
	2	5+	
7+			3+
4+		4	

DUE THURSDAY WEEK 6

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Maths Weekly Homework Week 4 Term 2

Quickie questions



Do these **verbally** with someone. You are expected to answer in *3 seconds*. **Circle** the tricky facts. **Practice** these until you can answer them in the time. Then fill in your **answer** in the spaces. **Mark** with a calculator.

Quickie questions: Add/sub facts to 20

$12 + 8 =$	$11 + 4 =$	$18 + 3 =$	$9 + 9 =$	$4 + 15 =$	$5 + 13 =$
$11 + 2 =$	$8 + 6 =$	$8 + 9 =$	$7 + 6 =$	$3 + 16 =$	$4 + 7 =$
$17 - 9 =$	$14 - 8 =$	$18 - 6 =$	$20 - 11 =$	$17 - 9 =$	$12 - 7 =$
$20 - 12 =$	$13 - 8 =$	$11 - 4 =$	$16 - 7 =$	$10 - 5 =$	$20 - 17 =$

In your own time questions



Discuss your answers with an adult at home.

Rounding numbers to the nearest 100

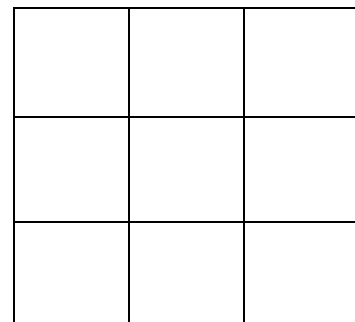
E.g. $534 = \underline{500}$	$128 = \underline{\quad}$	$563 = \underline{\quad}$	$239 = \underline{\quad}$	$893 = \underline{\quad}$
$208 = \underline{\quad}$	$712 = \underline{\quad}$	$609 = \underline{\quad}$	$701 = \underline{\quad}$	$192 = \underline{\quad}$
$671 = \underline{\quad}$	$905 = \underline{\quad}$	$450 = \underline{\quad}$	$862 = \underline{\quad}$	$850 = \underline{\quad}$
$1,322 = \underline{\quad}$	$5,273 = \underline{\quad}$	$8,404 = \underline{\quad}$	$1,701 = \underline{\quad}$	$1,655 = \underline{\quad}$

1 more or less than a number

1 more than 89 is $\underline{\quad}$	1 less than 50 is $\underline{\quad}$	1 more than 199 is $\underline{\quad}$
1 more than 998 is $\underline{\quad}$	1 less than 200 is $\underline{\quad}$	1 more than 1,099 is $\underline{\quad}$
1 more than 10,009 is $\underline{\quad}$	1 less than 1,000 is $\underline{\quad}$	1 more than 899 is $\underline{\quad}$
1 more than 999,099 is $\underline{\quad}$	1 less than 10,000 is $\underline{\quad}$	1 more than 9,999 is $\underline{\quad}$

Magic Square Challenge

- Use the numbers 1, 2, 3, 4, 5, 6, 7, 8, 9
- Place them in the magic square
- Each row, column and diagonal must add up to 15.
- You can use each number once only.
- Draw your own magic square in your book if you need to try lots of different ways.



DUE THURSDAY WEEK 5

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Maths Weekly Homework Week 1 Term 2

This term your homework will be weekly. The homework will consist of questions/games/problems/challenges which practice your number knowledge and support what we are learning in class. You must hand your completed sheet in every Thursday. Remember you can practice your basic facts using fun online games. Access these through the Te Kura Mahuri wiki.

Quickie questions

Do these verbally with someone. Answer as fast as you can. You are expected to answer in 3 seconds. Circle the tricky facts and practice these until you can answer them in the time. Once you've done them verbally, fill in your answer in the spaces.

Quickie questions: Add/sub facts to 20 _____

$12 + 3 =$	$4 + 11 =$	$15 + 3 =$	$11 + 8 =$	$3 + 16 =$	$4 + 13 =$
$15 + 2 =$	$7 + 6 =$	$1 + 17 =$	$8 + 9 =$	$19 - 3 =$	$14 - 1 =$
$17 - 8 =$	$13 - 5 =$	$15 - 12 =$	$18 - 5 =$	$16 - 9 =$	$19 - 7 =$
$20 - 14 =$	$15 - 8 =$	$11 - 4 =$	$14 - 7 =$	$12 - 5 =$	$20 - 8 =$

Quickie questions: Number bonds to 100 _____

$50 + \underline{\quad} = 100$	$20 + \underline{\quad} = 100$	$100 - 60 = \underline{\quad}$	$\underline{\quad} + 30 = 100$	$90 + \underline{\quad} = 100$
$100 - 70 = \underline{\quad}$	$40 + \underline{\quad} = 100$	$\underline{\quad} + 10 = 100$	$100 - 50 = \underline{\quad}$	$80 + \underline{\quad} = 100$

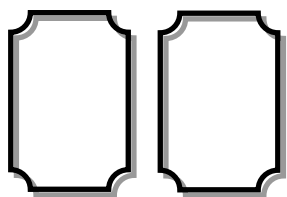
In your own time questions: Tens in a number _____

Tens in 60 =	Tens in 30 =	Tens in 82 =	Tens in 56 =	Tens in 284 =
Tens in 708 =	Tens in 805 =	Tens in 286 =	Tens in 1,592 =	Tens in 1,307 =

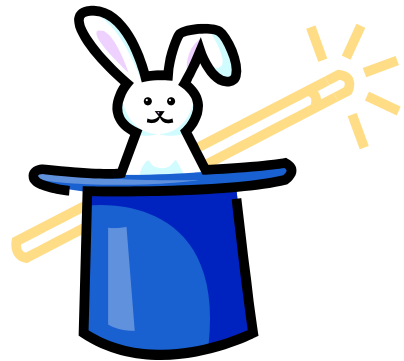
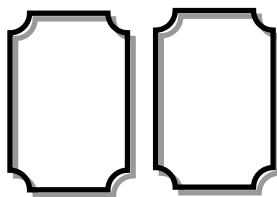
Place Value Challenge

You will need these cards: 6, 3, 4, 8

Place them to make this true.



Is smaller
than



Write your answers in your homework book.

- 1) Can you find all twelve ways?
- 2) Work out the difference each time.
- 3) Which is the smallest difference?
- 4) Which is the largest difference?

Try again with four different numbers. Which starting numbers will give you the biggest difference?

DUE THURSDAY WEEK 2

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Maths Weekly Homework Week 2 Term 2

Remember you should practice your basic facts. Try using fun online games. Access these through the Te Kura Mahuri wiki.

Quickie questions

Do these verbally with someone. Answer as fast as you can. You are expected to answer in 3 seconds. Circle the tricky facts and practice these until you can answer them in the time. Once you've done them verbally, fill in your answer in the spaces.

Quickie questions: Add/sub facts to 20

$12 + 3 =$	$4 + 11 =$	$15 + 3 =$	$11 + 8 =$	$3 + 16 =$	$4 + 13 =$
$15 + 2 =$	$7 + 6 =$	$1 + 17 =$	$8 + 9 =$	$19 - 3 =$	$14 - 1 =$
$17 - 8 =$	$13 - 5 =$	$15 - 12 =$	$18 - 5 =$	$16 - 9 =$	$19 - 7 =$
$20 - 14 =$	$15 - 8 =$	$11 - 4 =$	$14 - 7 =$	$12 - 5 =$	$20 - 8 =$

Quickie questions: Number bonds to 100

$55 + \underline{\quad} = 100$	$25 + \underline{\quad} = 100$	$100 - 65 = \underline{\quad}$	$\underline{\quad} + 30 = 100$	$95 + \underline{\quad} = 100$
$100 - 75 = \underline{\quad}$	$45 + \underline{\quad} = 100$	$\underline{\quad} + 15 = 100$	$100 - 50 = \underline{\quad}$	$80 + \underline{\quad} = 100$

In your own time questions: Tens in a number

Tens in 60 =	Tens in 30 =	Tens in 82 =	Tens in 56 =	Tens in 284 =
Tens in 708 =	Tens in 805 =	Tens in 286 =	Tens in 1,592 =	Tens in 1,307 =

Place Value Challenge What number am I?

Use the digits in the box to answer each number riddle. You cannot repeat digits within a number.

1 2 3 4 5 6 7 8 9

- I am the largest 4-digit number you can make. **What number am I?** ,
- I am the smallest 5-digit number you can make. **What number am I?** ,
- I am the largest 5-digit even number you can make that has a 3 in the *thousands* place.
What number am I? ,
- I am the smallest 5-digit number you can make that has all odd digits.
What number am I? ,
- I am the largest 6-digit number you can make that has a 1 in the *thousands* place and a 5 in the *ten thousands* place. **What number am I?** ,
- I am the smallest 6-digit even number you can make that has a 6 in the *hundreds* place.
What number am I? ,



DUE THURSDAY WEEK 3

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Maths Weekly Homework Week 3 Term 2

Quickie questions



Do these **verbally** with someone. You are expected to answer in 3 *seconds*. **Circle** the tricky facts. **Practice** these until you can answer them in the time. Then fill in your **answer** in the spaces. **Mark** with a calculator.

Quickie questions: Add/sub facts to 20

$12 + 8 =$	$11 + 4 =$	$18 + 3 =$	$9 + 9 =$	$4 + 15 =$	$5 + 13 =$
$11 + 2 =$	$8 + 6 =$	$8 + 9 =$	$7 + 6 =$	$3 + 16 =$	$4 + 7 =$
$17 - 9 =$	$14 - 8 =$	$18 - 6 =$	$20 - 11 =$	$17 - 9 =$	$12 - 7 =$
$20 - 12 =$	$13 - 8 =$	$11 - 4 =$	$16 - 7 =$	$10 - 5 =$	$20 - 17 =$

In your own time questions



Discuss your answers with an adult at home.

Rounding numbers to the nearest 10

E.g. $534 = 530$	$28 =$ ____	$63 =$ ____	$239 =$ ____	$893 =$ ____
$1,127 =$ ____	$5,233 =$ ____	$404 =$ ____	$701 =$ ____	$1,055 =$ ____

Tens in a number

Tens in 50 =	Tens in 70 =	Tens in 43 =	Tens in 65 =	Tens in 351 =
Tens in 902 =	Tens in 306 =	Tens in 164 =	Tens in 1,295 =	Tens in 4,103 =



Hint: Remember there's no tens in a "ones" place.

SUBTRACTION PUZZLE

- Cut out the squares and get someone to jumble them up for you so you don't see the answer!
- Make a 3x3 square with every basic fact lining up against its answer.
- Stick in your book to show your awesomeness.

Extension

Can you make your own puzzle to challenge someone else?

Remember you should practice your basic facts every day to help you improve in the 11-99 club. Try using fun online games. Access these through the Te Kura Mahuri wiki.

$15 - 6$ $7 - 6$	9 $9 - 5$	16 $13 - 5$ 8 $8 - 3$
14 $17 - 4$	3 $16 - 6$	5 $17 - 3$ $17 - 5$
11 $19 - 1$	12 $18 - 2$	12 $20 - 3$

DUE THU
WEEK 4

Signature